

ATTY, DKT.: WEAT/052

#### THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

William B. Vail, III

Serial No.: 10/678,738

Confirmation No.: 6117

Filed:

October 2, 2003

For:

METHOD AND APPARATUS FOR CEMENTING DRILL

STRINGS IN PLACE FOR ONE

PASS DRILLING AND

COMPLETION OF OIL AND

**GAS WELLS** 

 $oldsymbol{\omega}$ 

Group Art Unit: 3672

Examiner:

Frank Tsav

Customer No.: 36735

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 CERTIFICATE OF MAILING

37 CFR 1.8

I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 11 \\ \amu\_au\_\_\_ 2005

Kyla D. Cummings Typed Name

Dear Sir:

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicant, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made

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or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

The Commissioner is hereby authorized to charge the sum of \$180.00 due under 37 CFR § 1.17(p) pursuant to § 1.97, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0524/KDC.

Respectfully submitted,

Kyla D. Cummings

Registration No. 50,682

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Attorney for Applicant

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#### INFORMATION DISCLOSUSE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/678,738
Filing Date	October 2, 2003
First Named Inventor	William B. Vail, III
Group Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0524
Customer No.	36735
Submission Date	January 11, 2005

Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials	No.	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	A1	US-2,167,338	07-25-1939	Murcell	
	A2	US-2,228,503	01-14-1941	Boyd, et al.	
	А3	US-2,370,832	03-06-1945	Baker	
	A4	US-2,379,800	07-03-1945	Hare	
	A5	US-2,414,719	01-21-1947	Cloud	
	A6	US-2,720,267	10-11-1955	Brown	
	A7	US-2,741,907	06-06-1997	Genender, et al.	
	A8	US-3,006,415	10-31-1961	Burns, et al.	
	A9	US-3,041,901	07-03-1962	Knights	
	A10	US-3,054,100	09-11-1962	Jones	
	A11	US-3,090,031	05-14-1963	Lord	
	A12	US-3,111,179	11-19-1963	Albers, et al.	
	A13	US-3,117,636	01-24-1964	Wilcox, et al.	
	A14	US-3,124,023	3-10-1964	Marquis, et al.	
	A15	US-3,131,769	05-05-1964	Rochemont	
	A16	US-3,193,116	07-06-1965	Kenneday, et al.	
	A17	US-3,419,079	12-31-1968	Current	
	A18	US-3,548,936	12-22-1970	Kilgore, et al.	

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T <sup>6</sup>	
Initials*	No.¹	Number-Kind Code <sup>2 (il known)</sup>	MM-DD-YYYY		Where Relevant Passages or Relevant Figures Appear		
V	B1	CA 2 335 192	11-30-2001	Kozak			
	B2	DE 3 523 221	02-01-1987	Svetozar			
	В3	DE 3 918 132	12-14-1989	Eriksson			
	B4	EP 0 474 481	03-11-1992	Moody			
	<b>B</b> 5	EP 0 087 373	08-31-1983	Plaquin			

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PTO/SB/08a (08-03)

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			U.S. PATENT	DOCUMENTS	
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		Number-Kind Code <sup>2 (if known)</sup>	IVIIVI-DD-1111	Applicant of Cited Document	Figures Appear
	A19	US-3,552,507	01-05-1971	Brown	
	A20	US-3,552,848	01-05-1971	Van Wagner	
	A21	US-3,566,505	03-02-1971	Martin	
	A22	US-3,602,302	08-31-1971	Kluth	
	A23	US-3,606,664	09-21-1971	Weiner	
	A24	US-3,635,105	01-18-1972	Dickmann, et al.	
	A25	US-3,680,412	08-01-1972	Mayer, et al.	
	A26	US-3,691,825	09-19-1972	Dyer	
	A27	US-3,696,332	10-03-1972	Dickson, Jr., et al.	
	A28	US-3,776,320	12-04-1973	Brown	
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	A30	US-3,848,684	11-19-1974	West	
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	A32	US-3,913,687	10-21-1975	Gyongyosi, et al.	
	A33	US-4,054,332	10-18-1977	Bryan, Jr.	
	A34	US-4,095,865	06-20-1978	Denison, et al.	
	A35	US-4,127,927	12-05-1978	Hauk, et al.	
	A36	US-4,194,383	03-25-1980	Huzyak	

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initials*		Number-Kind Code <sup>2 (if known)</sup>		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
i/	B6	EP 0 162 000	11-21-1985	Hamilton		
	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
	B8	EP 0 285 386	10-05-1988	Haney		
1/	B9	EP 0 426 123	05-08-1991	Reis, et al.		
i/	B10	EP 0 525 247	02-03-1993	Willis		

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iiiiaio		Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	A37	US-4,227,197	10-07-1980	Nimmo, et al.	
	A38	US-4,241,878	12-30-1980	Underwood	
	A39	US-4,277,197	07-07-1981	Bingham	
	A40	US-4,280,380	07-28-1981	Eshghy	
	A41	US-4,311,195	01-19-1982	Mullins, II	
	A42	US-4,392,534	07-12-1983	Miida	
	A43	US-4,407,378	10-04-1983	Thomas	
	A44	US-4,427,063	01-24-1984	Skinner	
	A45	US-4,437,363	03-20-1984	Haynes	
	A46	US-4,445,734	05-01-1984	Cunningham	
	A47	US-4,449,596	05-22-1984	Boyadjieff	
	A48	US-4,494,424	01-22-1985	Bates	
	A49	US-4,529,045	07-16-1985	Boyadjieff, et al.	
	A50	US-4,570,706	02-18-1986	Pugnet	
	A51	US-4,592,125	06-03-1986	Skene	
	A52	US-4,593,773	06-10-1986	Skeie	
	A53	US-4,605,268	08-12-1986	Meador	
	A54	US-4,625,796	12-02-1986	Boyadjieff	

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Initials*	No. <sup>1</sup>	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
î/	B11	EP 0 589 823	03-03-1994	Busink, et al.			
i/	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.			
/	B13	EP 0 790 386	08-20-1997	Newton, et al.			
<i>\'</i>	B14	EP 0 881 354	04-24-1998	Vercaemen, et al.			
i/	B15	EP 0 962 384	12-08-1999	Poldervaart			

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	Application Number	10/678,738
ĺ	Filing Date	October 2, 2003
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		Number-Kind Code <sup>2 (if known)</sup>	MIMI-DD-YYYY	Applicant of Cited Document	Figures Appear
	A55	US-4,646,827	03-03-1987	Cobb	
	A56	US-4,649,777	03-17-1987	Buck	
	A57	US-4,667,752	05-26-1987	Berry, et al.	
	A58	US-4,676,312	06-30-1987	Mosing, et al.	
	A59	US-4,683,962	08-04-1987	True	
	A60	US-4,691,587	09-08-1987	Farrand, et al.	
	A61	US-4,709,599	12-01-1987	Buck	
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	A63	US-4,738,145	04-19-1988	Vincent, et al.	
	A64	US-4,742,876	05-10-1988	Barthelemy, et al.	
	A65	US-4,759,239	07-26-1988	Hamilton, et al.	
	A66	US-4,765,401	08-23-1988	Boyadjieff	
	A67	US-4,773,689	09-27-1988	Wolters	
	A68	US-4,775,009	10-04-1988	Wittrisch, et al.	
	A69	US-4,781,359	11-01-1988	Matus	
	A70	US-4,788,544	11-29-1988	Howard	
	A71	US-4,791,997	12-20-1988	Krasnov	
	A72	US-4,793,422	12-27-1988	Krasnov	

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T <sup>6</sup>	
Initials*	No.¹	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document   Where Relev	Where Relevant Passages or Relevant Figures Appear		
V	B16	EP 1 256 691	11-13-2002	Hawkins, et al.			
u	B17	FR 2 841 293	12-26-2003	Bouygues Offshore			
V	B18	GB 2 115 940	09-14-1983	Plaquin			
1/	B19	GB 2 224 481	09-05-1990	Voeten			
i/	B20	GB 2 275 486	04-15-1993	Eiane, et al.			

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Application Number	10/678,738
Filing Date	October 2, 2003
First Named Inventor	William B. Vail, III
Group Art Unit	3672
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Examiner Cite Initials* No.1		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Slator	
	A77	US-4,867,236	09-19-1989	Haney, et al.	
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	A79	US-4,901,069	02-13-1990	Veneruso	
	A80	US-4,936,382	06-26-1990	Thomas	
	A81	US-4,962,579	10-16-1990	Moyer, et al.	
	A82	US-5,009,265	04-23-1991	Bailey, et al.	
	A83	US-5,036,927	08-06-1991	Willis	
	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
	A86	US-5,191,932	03-09-1993	Seefried, et al.	
	A87	US-5,224,540	07-06-1993	Streich, et al.	
•	A88	US-5,233,742	08-10-1993	Gray, et al.	
	A89	US-5,245,265	09-14-1993	Clay	
	A90	US-5,251,709	10-12-1993	Richardson	

	FOREIGN PATENT DOCUMENTS					
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Initials*	No. <sup>1</sup> Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
	B21	GB 2 294 715	08-05-1996	Tibbitts		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
V	B23	GB 2 352 747	07-02-2001	Davis, et al.		
(/	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
a/	B25	GB 2 372 765	09-04-2002	Head		

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10/678,738 **Application Number** Substitute for form 1449A/PTO Filing Date October 2, 2003 First Named Inventor William B. Vail, III INFORMATION DISCLOSURE STATEMENT BY APPLICANT Group Art Unit 3672 Frank Tsay **Examiner Name** (Use as many sheets as necessary) WEAT/0524 Attorney Docket Number Customer No. 36735

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ii iitiais	140.	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	A91	US-5,271,468	12-21-1993	Streich, et al.	
	A92	US-5,305,839	04-26-1994	Kalsi, et al.	
	A93	US-5,332,043	07-26-1994	Ferguson	
	A94	US-5,351,767	10-04-1994	Stogner, et al.	
	A95	US-5,388,651	02-14-1995	Berry	
	A96	US-5,394,823	03-07-1995	Lenze	
	A97	US-5,433,279	07-18-1995	Tassari, et al.	
	A98	US-5,494,122	02-27-1996	Larsen, et al.	
	A99	US-5,501,286	03-26-1996	Berry	
	A100	US-5,503,234	04-02-1996	Clanton	
	A111	US-5,540,279	07-30-1996	Branch, et al.	
	A112	US-5,542,472	08-06-1996	Pringle, et al.	
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	A114	US-5,553,672	09-10-1996	Smith, Jr., et al.	
	A115	US-5,577,566	11-26-1996	Albright, et al.	
	A116	US-5,645,131	07-08-1997	Trevisani	
	A117	US-5,706,894	01-13-1998	Hawkins, III	

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V	B26	GB 709 365	05-19-1954	Standard Oil Development		
V	B27	GB 716 761	10-13-1954	Standard Oil Development		
V	B28	GB 881 358	11-01-1961	Kammerer, et al.		
V	B29	GB 2 350 137	11-22-2000	Baugh, et al.		
1/	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		

Castille, et al.

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	A119	US-5,803,191	09-08-1998	Mackintosh	
	A120	US-5,813,456	09-29-1998	Milner, et al.	
	A121	US-5,836,395	11-17-1998	Budde	
	A122	US-5,839,515	11-24-1998	Yuan, et al.	
	A123	US-5,850,877	12-22-1998	Albright, et al.	
	A124	US-5,907,664	05-25-1999	Wang, et al.	
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	Application Number	10/678,738
	Filing Date	October 2, 2003
	First Named Inventor	William B. Vail, III
	Group Art Unit	3672
	Examiner Name	Frank Tsay
	Attorney Docket Number	WEAT/0524
	Customer No.	36735
	Submission Date	January 11, 2005

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	A	10/678,738
	Application Number Filing Date	October 2, 2003
	First Named Inventor	William B. Vail, III
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10/678,738 Application Number Substitute for form 1449A/PTO Filing Date October 2, 2003 First Named Inventor INFORMATION DISCLOSURE William B. Vail, III STATEMENT BY APPLICANT 3672 Group Art Unit Frank Tsay Examiner Name

Attorney Docket Number

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Substitute for form 1449B/PTO	Application Number Filing Date	10/678,738 October 2, 2003
INFORMATION DISCLOSURE	First Named Inventor	William B. Vail, III
STATEMENT BY APPLICANT	Group Art Unit	3672
	Examiner Name	Frank Tsay
(Use as many sheets as necessary)	Attorney Docket Number	WEAT/0524

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
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Substitute for form 1449B/PTO	Application Number	10/678,738
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INFORMATION DISCLOSURE	First Named Inventor	William B. Vail, III
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(Use as many sheets as necessary)	Attorney Docket Number	WEAT/0524
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